

GENERATOR MODEL: P 500

Frequency/Speed - Voltage	50HZ/1500RPM-230/400V	
Prime Power	500 KVA	400 KW
Standby Power	550 KVA	440 KW



Features:

- **Warranty: 1 year or 1000 hours.**
- **Low fuel shutdown safety.**
- **24/7 after sales support.**
- **Generator made by OEM Perkins-UK**
- **Perkins as the world's leading power Power manufacturer science 1932.**
- **Advance digital control system, Long service life, Easy to Operate, Low Fuel consumption, Anti vibrating Isolators.**
- **Automatic start (optional) ecofriendly.**
- **Easy and economical availability of Spares.**



Engine

Perkins-UK, Model 2506A-E15TAG2 in accordance to ISO3046 ISO 8528, DIN 6271



Alternator

Leroy Somer-France / Meccalte-UK Stamford UK Complying to the following Norms: CEE/CE12/3/EN60034-1 / IEC34-1/VDE



Control Panel

Deep Sea DSE-6020, Made in UK, Complying to the norms: Comply to the norms BS EN 61000, BS EN 60950, BS EN 60068



Sound Proof Canopy

Durable and Weather proof with maximum service Accessibility and minimum Foot Prints



Base Frame

Iron frame with Anti-Vibration pads & Built in fuel tank

PERKINS ENGINE TECHNICAL DATA

MODEL: 2506A-E15TAG2



STRUCTURE

Number Of Cylinders	6
Engine Build	In Line
Bore	137 mm
Stroke	171 mm
Displacement	15.2 L
Compression Ratio	16:1
Aspiration	Turbocharged
Cooling	Air to Air



FUEL

Fuel Tank	Built in fuel tank for at least 10 hours operation @ full load
Fuel System	75 % Direct Injection
Fuel Recommended	N° Diesel
	1500 RPM

Delivery Flow Rate (l/hr)

Fuel Consumption	
100% Load (g/kwh-L/hr)	100
75% Load (g/kwh-L/hr)	76
50% Load (g/kwh-L/hr)	53



COOLING SYSTEM

Engine Coolant Capacity	58 L
Air Flow Radiator	12033.3 l/s
Radiator with 50 degree ambient	
Cooling Package & Air Cleaner	
Thermostatically-Cntroled	



AIR INTAKE

Air Intake Engine (Clean Filter/Dirty)	3.7 KPa
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EXHAUST SYSTEM

Exhaust Gas Temperature	TBA
Exhaust Gas Flow (Prime)	1566.6 l/s
Maximum Exhaust System Back Pressure	6.8 KPa
Stainless Steel Exhaust Flex	



**DC SYSTEM
STARTING/CHARGING**

Cranking Battery Voltage	24 V
Battery Charging Alternator	70 A
DC Voltage Monitoring Via	



**HEAT REJECTION
(PRIME)**

Radiated Heat to Ambient	31.2 KW
Heat Rejection to Coolant	147 KW
Heat Rejection to Exhaust	308 KW
Heat Rejection to intercooler	70 KW

LUBE SYSTEM

GOVERNOR

Lubricating Capacity: 62 LTRS
Electronic

ALTERNATOR TECHNICAL DATA



STRUCTURE

Insulation System	Class H
Winding Pitch	2/3 to Minimize Harmonics effects
Number of Poles	4
Number of Bearings	Single Bearing
RPM	1500 RPM
Power Factor	0.8
Regulation	± 1%
Frequency	50 Hz
Voltage Range	380-415 / 220-240
IP Rating (Protection)	Ip23

Synchronous, 3/1 phase, Brushless & Self Excited

NOTE: Alternator Brand Subject to Availability.

CONTROL MODULE

DEAP SEA MODEL: DSE 6020



INDICATIONS

- ✔ Operating Hours
- ✔ 3 Phase Generator Voltage Sensing & Monitoring
- ✔ Current Protection & Monitoring
- ✔ Power Measurement (kW, kVA, kVA_r, kWh, kVAh, kVA_rh, pf)
- ✔ Frequency Monitoring (Hz)
- ✔ Oil Pressure/Coolant Temperature
- ✔ Battery Voltage Monitoring (DC)
- ✔ Alarm Acknowledge



CONTROL

- ✔ Engine Cool Down Timer
- ✔ Emergency Stop Push button/ Alarm Acknowledge
- ✔ Warm-up Timer
- ✔ Load Switching Timer
- ✔ Engine Cycle Crank



WARNING & SHUTDOWN ALARMS

- ✔ Generator Over/Under Voltage & Frequency
- ✔ Crank Disconnect (Failure to Start)
- ✔ Under/Over Speed
- ✔ Over Current
- ✔ Low Oil Pressure
- ✔ High Water Temperature
- ✔ Low Fuel Level
- ✔ Low Water Level



FEATURES

- ✔ User Friendly
- ✔ Compatible With CAN Engines
- ✔ License Free Software
- ✔ Largest Backlit Icon Display In Its Class
- ✔ Fully Configured Via The Fascia Or Pc Using Usb
- ✔ Efficient Power Save Mode

AUTHORIZED DEALER: